



USAF Advanced Design Refrigerator, 1200 ft³ (ADR-1200)



The ADR-1200 is a lightweight, airmobile, 2 for 1 refrigerated container system that will provide a mobile refrigeration system with up to 1200 cubic feet of storage in support of group-feeding operations.

Why is it Needed?

The 1200-ft³ pre-fabricated refrigerators are old, antiquated, and utilize three pallet positions for aircraft transport. The newly developed ADR1200 will reduce the transportation footprint, set up time, and will provide the same amount of storage space as the 1200-ft³ prefabs.

Technology:

The ADR-1200 offers these special features:

- Its unique container utilizes only two pallet positions during aircraft transport. Once deployed the container telescopes out to provide twice the storage space minimizing the transportation footprint.
- It is designed for 463L based cargo restraint systems aboard military aircraft for roll-on and roll-off capability by the C130 and the larger C141, C5, KC-10 and C17.
- It utilizes removable 463L rails that easily interlock with the aircraft locking systems and are removable for truck transport.
- It provides lifting rings for safe tie down and movement by tactical truck and external delivery by helicopter.
- It uses a modified commercial refrigeration unit that is energy efficient, reliable, easy to troubleshoot and maintain, and uses an environmentally safe refrigerant.

Key Features/Benefits:

Fresh Food...All United States military services require that cook-prepared, perishable meals be served as soon as possible to the warfighter in the field. The ADR-1200 offers reliable refrigeration to keep perishables, semi-perishable and frozen rations from spoiling during transportation and in the field.

Reduced Transportation Footprint...The new ADR-1200 uses one less pallet position aboard aircraft than the 1200 cubic foot prefabricated panel type refrigerator, reducing the transportation footprint while providing the same amount of storage space when deployed.

Environmentally Friendly...uses environmentally safe insulation and non-ozone depleting refrigerant.

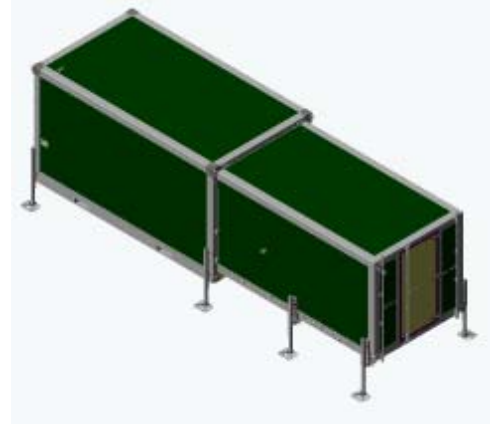
Improved Handling...integrated 463L pallet provides roll-on/roll-off capability, forklift pockets and lifting rings provide for efficient handling by tactical truck on the ground and by military aircraft.

Point of Contact:

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